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(12) **United States Patent**
Heaton

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(54) **MULTI-LUMEN CONNECTOR**

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(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 192 days.

This patent is subject to a terminal dis-
claimer.

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continuation of application No. 12/498,212, filed on
Jul. 6, 2009, now Pat. No. 8,323,265, which is a
continuation of application No. 10/129,900, filed as
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(58) **Field of Classification Search**

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1/008; A61M 1/0088; A61M 27/00

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See application file for complete search history.

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(57) **ABSTRACT**

Apparatus is disclosed for applying negative pressure to a
wound site to promote healing. The apparatus includes a
porous pad for application to the wound, a suction tube link-
ing the porous pad to a source of negative pressure, a con-
tainer for collecting fluid exudate from the wound interposed
between the porous pad and the source of negative pressure
and a quick disconnect connector linking a first section of the
suction tube leading to the porous pad with a second section
leading to the container, said connector comprising two sepa-
rable and non-interchangeable parts, said first section of the
suction tube comprising a multi-lumen tube, one lumen being
provided for applying suction to the porous pad and another
being provided for monitoring pressure, said multi-lumen
tube being fixedly attached at one end to the container and at
the other end to one of said separable parts, said one separable
part including sealing means whereby the lumens are con-
nected in air-tight manner to said second section of the suc-
tion tube.

26 Claims, 6 Drawing Sheets

